

5' T	10	19	28	37	46	55
TGC TAT GTT GCC CAG GCT GGT CTT GAA GTG CCT TGA CCT CCT AAA GTG TTG GAA						
64	73	82	91	100	109	
CCA CAG ACG TGA GCC ACT CCA CCC AGC CTA AAA CTT CAT CTT TGG ATG AGA						
118	127	136	145	154	163	
TGA ACA CTT TTA ACA AGA GAA CAG GAC TCT ATA TAA ATC GCT GTG GGC TCA CCA						
172	181	190	199	208	217	
CCT CTA AGG AGG AGC ACT GAC TGA AGA CAG AAA AAT TGA TGA ACT GAA GAA GAC						
226	235	244	253	262	271	
ATG GTC CAT TAT GCC TTA CAA ACT TAC ACA GTG CTT TGG GAA TTC CAA AGT ACT						
280	289	298	307	316	325	
CAG TGG AGA GAG GTG TTT CAG GAG CCG TAG AGC CAG ATC GTC ATC ATG TCT GCA						
334	343	352	361	370	379	
TTG TGG CTG CTG GGC CTC CTT GCC CTG ATG GAC TTG TCT GAA AGC AGC AAC						
L W L L L G L L A L M D L S E S N						

FIGURE 1A

388	TGG	GGA	TGC	TAT	GGA	AAC	ATC	CAA	AGC	CTG	GAC	ACC	415	424	433
	W	G	C	Y	G	N	I	Q	S	L	D	T	P	G	G
442	ATT	GGA	AGA	CGT	CAC	GGC	CTG	AAC	TAC	TGT	GGA	GTT	469	478	487
	I	G	R	R	H	G	L	N	Y	C	G	V	R	A	L
496	GCT	GAA	ATA	GAC	ATG	CCA	TAC	CTC	CTG	AAA	TAT	CAA	523	532	541
	A	E	I	D	M	P	Y	L	L	K	Y	Q	P	M	I
550	GGC	CAA	AAG	TAC	TGC	ATG	GAT	CCT	GCC	GTG	ATC	GCT	577	586	595
	G	Q	K	Y	C	M	D	P	A	V	I	A	G	V	K
604	TCT	CCC	GGT	GAC	AAA	ATT	CTG	GTC	AAC	ATG	GGC	GAT	631	640	649
	S	P	G	D	K	I	L	V	N	M	G	D	R	T	Q
658	GAC	CCT	GGC	TCT	CAA	GCT	CCC	ACA	TCC	TGG	ATT	AGT	685	694	703
	D	P	G	S	Q	A	P	T	S	W	I	S	E	S	Q
712	ACA	ACT	GAA	GTT	CTG	ACT	ACT	AGA	ATC	AAA	GAA	ATC	739	748	757
	T	T	E	V	L	T	T	R	I	K	E	I	Q	R	T

FIGURE 1B

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766      775      784      793      802      811
TGG ACC CCT GAC CAG TAC CTG AGA GGT GGA CTC TGT GCC TAC AGT GGG GGT GCT
W  T  P  D  Q  Y  L  R  G  G  L  C  A  Y  S  G  G  A

820      829      838      847      856      865
GGC TAT GTC CGA AGC AGC CAG GAC CTG AGC TGT GAC TTC TGC AAT GAT GTC CTT
G  Y  V  R  S  S  Q  D  L  S  C  D  F  C  N  D  V  L

874      883      892      901      910      919
GCA CGA GCC AAG TAC CTC AAG AGA CAT GGC TTC TAA CAT CTC AGA TGA AAC CCA
A  R  A  K  Y  L  L  K  R  H  G  F

928      937      946      955      964      973
AGA CCA TGA TCA CAT ATG CAG CAG CCT CAA ATG TTA CAC AGA TAA AAC TAG CCA AGG

982      991      1000      1009      1018      1027
GCA CCT GTA ACT GGG AAT CTG AGT TTG ACC TAA AAG TCA TTA AAA TAA CAT GAA

1036      1045
TCA CAT TAA AGG AAG AAT T 3'

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FIGURE 1C

1	MSA	-----LWLLGLLALMDLSESSNWG	2372794
1	MLGKNDPMCLVLLGLTALLGLICQGGT-G		GI 63428
24	CYGNIQSLDTPGASCGIGRRHGLNYCGVRA		2372794
30	CYGSVSRIDTTGASCRТАKPEGLSYCGVRA		GI 63428
54	SERLAIEDMPYLLKYQPMMQTIGQKYCMDP		2372794
60	SRTIAERDLGSMNKYKVLIKRVGEALCIEP		GI 63428
84	AVIAGVLSRKS PGDKILLVNM - GDRTS - -		2372794
90	AVIAGIISRESHAGKILLKNGWGDRGNFGGL		GI 63428
109	-MVQDPGSQAPTSWISESQVSTTEVL TTR		2372794
120	MQVDKRYHKIEGTWNGEAHIRQGTRILLIDM		GI 63428
138	IKELQRRFPPTWTPDQYLRGGLCAYSGGAGY		2372794
150	VKKIQRKFPRTWDQQLKGGISAYNAGVGN		GI 63428
168	VRSSQDLSC - - - - DFCNDVLA RAKY LKRH		2372794
180	VRSYERM DIGT LHD DYSNDVVA R A Q Y F K Q H		GI 63428
193	GF		2372794
210	GY		GI 63428

FIGURE 2